

Funder	Project Title	Funding	Institution
Brain & Behavior Research Foundation	Interrogating Synaptic Transmission in Human Neurons	\$0	Stanford University
Brain & Behavior Research Foundation	Dopaminergic Dysregulation in Mouse Models of Autism Spectrum Disorder	\$17,500	University of California, Berkeley
Brain & Behavior Research Foundation	The Role of Medial Amygdala in Regulating Social Behaviors	\$13,427	University of California, Los Angeles
Brain & Behavior Research Foundation	Neural Correlates of Behavioral Treatment for Toddlers with ASD	\$0	University of California, Davis Medical Center
Brain & Behavior Research Foundation	Developing Neural Markers to Evaluate Social Skills Training in ASD	\$17,500	California Institute of Technology
Brain & Behavior Research Foundation	High-throughput Quantitative Analysis of Enhancer Elements Associated with ASD	\$0	Yale University
Brain & Behavior Research Foundation	Exploring Tridimensional Chromatin Interactions in ASD-derived Brain Organoids	\$0	Yale University
Brain & Behavior Research Foundation	Inhibitory Synaptic Dysfunction in Autism Spectrum Disorder	\$35,000	Yale University
Brain & Behavior Research Foundation	Neural Bases of Atypical Language Learning in Children with ASD: A Combined fMRI/MEG Study	\$0	University of Delaware
Brain & Behavior Research Foundation	The Use of AAV-mediated CRISPR-Cas9 to Determine The Effect of Non-coding Genetic Variation on a Molecular Phenotype Relevant to Autism	\$0	Emory University
Brain & Behavior Research Foundation	The Study of Homeostatic Downscaling in Psychiatric Disorders	\$0	University of Illinois at Urbana-Champaign
Brain & Behavior Research Foundation	Neural Circuit Basis for Cortical Oscillations as a Biomarker for Neurological Disorders	\$0	Boston University
Brain & Behavior Research Foundation	Microglia-dependent Regulation of Inhibitory Brain Circuits in Health and Disease	\$0	University of Massachusetts Medical SchoolUniversity of Massachusetts, Amherst
Brain & Behavior Research Foundation	Mechanisms of Thalamic Receptive Field Disruption in Autism Spectrum Disorder	\$35,000	Massachusetts Institute of Technology
Brain & Behavior Research Foundation	Rapid Phenomic Interrogation of CRISPR-Cas9 Edited Mammalian Brains	\$0	Massachusetts Institute of Technology
Brain & Behavior Research Foundation	Dysfunction of Cortical Systems for Language and Working Memory in Autism Spectrum Disorder	\$17,500	Boston University
Brain & Behavior Research Foundation	Advancing a Biomarker of Disrupted GABAergic Neurotransmission in Autism	\$17,500	Massachusetts Institute of Technology
Brain & Behavior Research Foundation	Understanding Disruption of Neuronal DNA Methylation in Disorders of Cognition	\$17,500	Washington University in St. Louis
Brain & Behavior Research Foundation	Mechanisms of UBE3A Dysfunction in Brain Development	\$35,000	Washington University School of Medicine
Brain & Behavior Research Foundation	Electrophysiological Correlates of Social-emotional Learning in ASD	\$17,500	State University of New York, Stony Brook
Brain & Behavior Research Foundation	Striatal Interneuron Deficiency Produces Autistic-like Behavior: An Insight into Neural Circuits and Treatment	\$0	Research Foundation for the State University of New York (SUNY) on behalf of University at Buffalo
Brain & Behavior Research Foundation	Role of Cortical Progenitors in the Specification of Cortical Projection Neuron Subtypes and their Diversity	\$35,000	Cold Spring Harbor Laboratory

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Brain & Behavior Research Foundation	Nominally Non-responsive Cells in a Sensory-prefrontal Cortical Loop Enable the Flexible Control of Adaptive Behavior	\$17,500	New York University
Brain & Behavior Research Foundation	Cellular Mechanisms Controlling White Matter Connectivity: Making Sense of a Genetic Risk Factor for Autism and Schizophrenia	\$0	Columbia University
Brain & Behavior Research Foundation	In vivo Imaging of Prefrontal Cortical Activity During Social Interactions in Normal and Autism Mice	\$17,500	Duke University
Brain & Behavior Research Foundation	Investigation of Human Neuronal Precursor Proliferation in Autism	\$35,000	Case Western Reserve University
Brain & Behavior Research Foundation	Interpersonal Neural Coordination During Social Interaction in Children with Autism Spectrum Disorders	\$17,485	University of Pittsburgh
Brain & Behavior Research Foundation	Above the Noise: RNA-Seq Analysis of MeCP2 and Non-MeCP2 Rett Syndrome Autopsy Samples	\$17,500	Vanderbilt University
Brain & Behavior Research Foundation	The Role of Microglia in Regulation of Projection-specific Prefrontal Cortical Neuron Synapses	\$0	Vanderbilt University Medical Center
Brain & Behavior Research Foundation	Modulation of Excitatory Synaptic Transmission in Mental Illnesses	\$0	Vanderbilt University
Brain & Behavior Research Foundation	The Role of UBE3B in the Pathogenesis of Autism Spectrum Disorder	\$0	University of Texas Southwestern Medical Center
Brain & Behavior Research Foundation	SRPX2 Regulation of Synapse Formation: Implications for Schizophrenia and Autism Spectrum Disorder	\$0	University of Texas Health Science Center at San Antonio
Brain & Behavior Research Foundation	Neurologin 2 in Cortical Excitation-Inhibition Balance	\$0	Baylor College of Medicine
Brain & Behavior Research Foundation	Altered Synaptic Autophagy as a Mouse Model for Autism	\$35,000	University of Utah
Brain & Behavior Research Foundation	From Synaptic Dysfunction to Abnormal Brain Connectivity in Autism	\$0	University of Utah
Brain & Behavior Research Foundation	Synaptic Homeostasis of the Homer1 Network in a Shank3 Model of Autism	\$17,500	Seattle Children's Research Institute
Brain & Behavior Research Foundation	Evoked Neurotransmitter and Neurochemical Amygdala Responses and Autonomic Arousal to Social Threat and Safety Signals in Typically Developing and Autistic Children and Adolescents	\$0	University of Wisconsin-Madison
Brain & Behavior Research Foundation	Investigating the Function of Autism Candidate Gene LIN-2/CASK in Cholinergic Synapse	\$17,425	University of Queensland
Brain & Behavior Research Foundation	Dysregulation of Integrated Stress Response (ISR) Pathway In Autism	\$17,500	McGill University
Brain & Behavior Research Foundation	Developmental Role of Prefrontal Cortex-raphe Circuits in Stress and Mood Disorders	\$0	INSERM
Brain & Behavior Research Foundation	Balancing Neuronal Excitability: Synaptic Shank Proteins Control Metabotropic Glutamate Receptor Trafficking and Activity	\$17,500	Utrecht University

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Brain & Behavior Research Foundation	Cerebellum, Simple System with Complex Functions in Health and Disease: New Roles of the Cerebellum in Pathophysiology of Autism	\$35,000	Karolinska Institute
Brain & Behavior Research Foundation	Identifying Convergent and Divergent Autism-Associated Molecular Pathways Using in Vivo Pooled Screening and Single Cell RNA Profiling	\$35,000	ETH Zurich
Brain & Behavior Research Foundation	Investigating the Role of Homeostatic Plasticity in Autism Spectrum Disorder	\$0	King's College London
Brain & Behavior Research Foundation	Using Targeted Genome Editing to Generate Novel Preclinical Rodent Models of Autism	\$35,000	University of Edinburgh
Brain & Behavior Research Foundation	Shifting Brain Excitation/Inhibition Balance in Autism Spectrum Disorder	\$0	King's College London
Department of Defense - Army	The Relationship Between Brain Functioning, Behavior, and Microbiota in Autism Spectrum Disorder	\$0	Southern California, University of
Department of Defense - Army	The Relationship Between Brain Functioning, Behavior, and Microbiota in Autism Spectrum Disorder	\$0	University of California, Los Angeles
Department of Defense - Army	Autism-Associated Mutations in L-Type Ca2+ Channels	\$0	Northwestern University
Department of Defense - Army	Autism-Associated Mutations in L-Type Ca2+ Channels	\$0	Northwestern University
Department of Defense - Army	Predicting Situational Onset of Aggression in Minimally Verbal Youth with Autism Using Biosensor Data and Machine Learning Algorithms	\$0	Maine Medical Center
Department of Defense - Army	Predicting Situational Onset of Aggression in Minimally Verbal Youth with Autism Using Biosensor Data and Machine Learning Algorithms	\$0	Northeastern University
Department of Defense - Army	Forward Genetic Screen to Identify Novel Therapeutic Entry Points of an Autism Spectrum Disorder	\$0	Baylor College of Medicine
Department of Defense - Army	Brain Network Activation Patterns in Autism Due to Genomic Copy Number Variation	\$0	Baylor College of Medicine
Autism Research Institute	Determination of exosomal biomarker candidates of ASD	\$20,000	University of California, Davis
Autism Research Institute	Is there evidence for pathological features of Alzheimer's Disease in the aged autistic brain?	\$20,000	Boston University School of Medicine
Autism Research Institute	Proteomic Analysis of Autistic Brain Part 2: A Validation Study	\$30,200	Cleveland Clinic
Autism Research Institute	To determine the minicolumnar morphometry of autistic, 15q dup and various Shank3 mutant mouse models as compared to those in control tissue.	\$20,000	University of South Carolina, Greenville
Autism Science Foundation	Determining the nature and function of the SCN2A mutation in ASD	\$35,000	University of California, San Francisco
Autism Science Foundation	Identifying the converging genetic pathways across different forms of ASD	\$35,000	University of California, Los Angeles
Autism Science Foundation	Undergraduate Research Award	\$0	University of California, San Diego
Autism Science Foundation	Undergraduate Research Award	\$0	University of Minnesota

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Autism Science Foundation	Undergraduate Research Award	\$0	Cornell University
Autism Science Foundation	Using genes and iPSC cells from the same patient to determine the potential validity of a blood based biomarker	\$0	Mount Sinai School of Medicine
Autism Science Foundation	Undergraduate Research Award	\$3,000	Mount Sinai School of Medicine
Autism Science Foundation	Explaining how the ASD brain works during social interaction	\$25,000	State University of New York, Stony Brook
Autism Science Foundation	Undergraduate Research Award	\$0	Duke University
Autism Science Foundation	Pupil Response in Individuals with ASD and Known Copy Number Variations	\$0	Geisinger Clinic
Autism Science Foundation	Understanding the genetic influence of brain circuitry in ASD	\$35,000	University of Texas Southwestern Medical Center
Autism Science Foundation	Undergraduate Research Award	\$3,000	University of Wisconsin
Autism Speaks	Impact of Familial ASD Risk on Functional Brain Connectivity in Infants	\$32,000	University of California, Los Angeles
Autism Speaks	Identifying Astrocyte-Secreted Protein Factors Linked to Altered Neuronal Development in ASD	\$32,000	Salk Institute for Biological Studies
Autism Speaks	High-throughput screens to discover regulatory mechanisms contributing to autism spectrum disorder	\$0	Yale University
Autism Speaks	Regulation of Cortical Circuit Assembly by Syngap1	\$32,000	The Scripps Research Institute, FL
Autism Speaks	Molecular control of developing corticostriatal circuits and behaviors in an autism model	\$0	Icahn School of Medicine at Mount Sinai
Autism Speaks	The impact of MECP2 mutation in GABAergic interneurons on plasticity in the auditory cortex	\$20,000	Cold Spring Harbor Laboratory
Autism Speaks	Understanding pathways to auditory processing disorders in infants at high risk for ASD	\$20,000	University of North Carolina
Autism Speaks	Investigating the cerebellar circuit target for modulating ASD behaviors	\$0	University of Texas Southwestern Medical Center
Health Resources and Services Administration	Maternal Immune Status and Autism Severity	\$0	University of California MIND Institute
National Institutes of Health	Altered Dopamine Transporter Function in Autism	\$29,400	University of Alabama at Birmingham
National Institutes of Health	Cortical Spread of Hippocampal Hyperactivity in Rett Syndrome	\$457,549	University of Alabama at Birmingham
National Institutes of Health	MET Receptor Tyrosine Kinase and the Development of Forebrain Circuits	\$383,750	University of Arizona
National Institutes of Health	Induced Neuronal Cells: A Novel Tool to Study Neuropsychiatric Diseases	\$615,259	Stanford University
National Institutes of Health	Learning and Brain Plasticity in Children with Autism: Relation to Cognitive Inflexibility and Restricted-Repetitive Behaviors	\$724,432	Stanford University
National Institutes of Health	Chandellier Interneurons and the Excitation/Inhibition Balance in the Human Prefrontal Cortex in Autism	\$383,400	University of California at Davis

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National Institutes of Health	Typical and Pathological Cellular Development of the Human Amygdala	\$392,500	University of California at Davis
National Institutes of Health	Dissecting Neural Mechanisms Integrating Multiple Inputs in C.Elegans	\$481,000	Salk Institute For Biological Studies
National Institutes of Health	Role of DYRK1A/MNB in Synaptic Growth and Function	\$453,361	University of Southern California
National Institutes of Health	Proteogenetics of Autism Spectrum Disorders	\$608,199	Scripps Research Institute
National Institutes of Health	Rapid Inhibitory Circuit Plasticity as a Homeostatic Mechanism in Cerebral Cortex	\$358,730	University of California Berkeley
National Institutes of Health	Genetic Models for Social Attachment Deficits in Psychiatric Illness	\$184,131	University of California, San Francisco
National Institutes of Health	Mosaic Analysis with Double Markers in the Study of Neuronal Migration Disorders	\$235,500	University of California at Davis
National Institutes of Health	Abnormal Prefrontal Network Structure Underlying Anxiety in Autism	\$200,178	University of California, San Francisco
National Institutes of Health	2/2 - Cell Type and Region-Specific Regulatory Networks in Human Brain Development and Disorders	\$474,606	University of California, San Francisco
National Institutes of Health	Early Development in Agenesis of the Corpus Callosum	\$262,280	California Institute of Technology
National Institutes of Health	Mapping Multi-Omics Networks in Microglia Across Autism Models	\$105,790	University of California at Davis
National Institutes of Health	The Psychiatric Cell Map Initiative: Connecting Genomics, Subcellular Networks, and Higher Order Phenotypes	\$3,641,916	University of California, San Francisco
National Institutes of Health	ASD-Relevant Gene-Immune Interactions in the Developing Brain	\$36,945	Stanford University
National Institutes of Health	Evaluating the Effect of Splicing Mutations on Isoform Networks in Autism	\$519,794	University of California, San Diego
National Institutes of Health	Gene-Brain-Environment Interactions as Determinants of Typical and Atypical Developmental Trajectories	\$75,492	University of California Los Angeles
National Institutes of Health	Chromosomal Boundary Alterations Driving Transcriptional Dysregulation in Brain Disorders	\$471,600	University of California, San Diego
National Institutes of Health	2/3 Integrative Genomic Analysis of Human Brain Development and Autism	\$155,817	University of California Los Angeles
National Institutes of Health	Loss and Rescue of Endocannabinoid-Dependent LTP and Memory in Fragile-X Model Mice	\$426,656	University of California-Irvine
National Institutes of Health	Characterizing the CHD8 Complex to Determine its Role in Autism Spectrum Disorder	\$18,399	Stanford University
National Institutes of Health	Gabaergic Neurophysiology in Autism Spectrum Disorder	\$195,048	Stanford University
National Institutes of Health	Homeostatic Stabilization of Neural Function in Health and Disease	\$1,174,199	University of California, San Francisco
National Institutes of Health	Dendrite Morphogenesis, Function and Regeneration	\$554,750	University of California, San Francisco

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National Institutes of Health	Molecular and Neural Networks Underlying Social Attachment	\$615,653	STANFORD UNIVERSITY
National Institutes of Health	Limbic Circuit Dysfunction in Offspring Following Maternal Immune Activation	\$198,076	Stanford University
National Institutes of Health	Phenotypic Characterization of Novel Models of Dup15q Syndrome	\$343,438	University of California at Davis
National Institutes of Health	Visualization of Oxytocin Receptor for Translational Social Neuroscience	\$231,600	University of California at Davis
National Institutes of Health	Neural Basis of Social Cognition Deficits in Youth with Autism and Schizophrenia	\$118,761	University of California Los Angeles
National Institutes of Health	Therapeutic Potential and Mechanisms of Tau Reduction in Autism Models	\$750,148	J. David Gladstone Institutes
National Institutes of Health	Identification of Neural Mechanisms Linking Autism-Risk Gene Disruptions with Impaired Social Behavior	\$128,601	University of California Los Angeles
National Institutes of Health	Parsing ASD Heterogeneity: Neuroendophenotypes of Social Attention and Sensory Responsivity	\$860,901	University of California Los Angeles
National Institutes of Health	Identifying Phenotypic Convergence Among Autism Spectrum Disorder (ASD) Genes Using CRISPR/Cas9 in Xenopus	\$196,250	University of California Berkeley
National Institutes of Health	Robust 1H MRSI of GABA, Glutamate, Glutamine, and Glutathione	\$334,606	Stanford University
National Institutes of Health	Vocal Sensorimotor Control and Voice Abnormalities in Autism Spectrum Disorders	\$199,098	University of California, San Francisco
National Institutes of Health	Glutamatergic Synapse Formation and Function	\$387,500	University of California, San Diego
National Institutes of Health	Defining the Molecular Basis of Autism Caused by Inherited Null Mutations in BAF53B	\$36,305	Stanford University
National Institutes of Health	Mechanisms Underlying Sensory Over-Responsivity in ASD and Early Adversity	\$201,812	University of California Los Angeles
National Institutes of Health	Maternal Asthma and Brain Development	\$235,500	University of California at Davis
National Institutes of Health	Binding of synGAP to PDZ Domains of PSD-95 and its Role in Intellectual Disability and Autism Spectrum Disorders Caused by synGAP Haploinsufficiency	\$449,405	California Institute of Technology
National Institutes of Health	Scalable Technologies for Genome Engineering in hiPSCS	\$408,610	University of California, San Diego
National Institutes of Health	Integrity and Dynamic Processing Efficiency of Networks in ASD	\$577,255	San Diego State University
National Institutes of Health	Personalized Treatment of Cognitive Deficits Associated with Deletion of CACNG2	\$193,750	University of California, San Diego
National Institutes of Health	The Neurobiological Basis of Heterogeneous Social and Motor Deficits in ASD	\$430,837	University of Southern California
National Institutes of Health	Prenatal Origins of Neurometabolic Consequences	\$319,550	University of California Los Angeles

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National Institutes of Health	Effects of Social Gaze Training on Brain and Behavior in Fragile X Syndrome	\$406,696	Stanford University
National Institutes of Health	Heparan Sulfate in Neurophysiology and Neurological Disorders	\$425,231	Sanford Burnham Prebys Medical Discovery Institute
National Institutes of Health	1/2 Cross Modal Integration of Molecular and Physiological Networks in ASD	\$1,083,373	University of California Los Angeles
National Institutes of Health	Cross Modal Integration of Molecular and Physiological Networks in ASD (2/2)	\$804,886	Stanford University
National Institutes of Health	Maximizing Biospecimen Collection from Children with Mental Health Conditions	\$1	Kaiser Foundation Research Institute
National Institutes of Health	Gaining Insight into Psychiatric Disease by Engineering Piece by Piece the Human Brain In Vitro.	\$491,734	Stanford University
National Institutes of Health	Language Development in Fragile X Syndrome	\$662,027	University of California at Davis
National Institutes of Health	Function and Structure Adaptations in Forebrain Development	\$590,225	Children's Hospital of Los Angeles
National Institutes of Health	Parsing ASD Heterogeneity: Neuroendophenotypes of Social Attention and Sensory Responsivity	\$298,312	University of California Los Angeles
National Institutes of Health	Genetics and Biomarkers Core	\$338,813	University of California Los Angeles
National Institutes of Health	Neurophysiological and Behavioral Correlates of Sensory and Communication Dysfunction in Children with Autism Spectrum Disorder	\$135,588	Colorado State University
National Institutes of Health	Familial Risk for ASD Alters Connectivity in Developing Brain	\$206,385	Yale University
National Institutes of Health	Biological Substrates of Risk and Resilience Using Patient-Derived Stem Cells	\$450,612	Yale University
National Institutes of Health	2/2 Somatic Mosaicism and Autism Spectrum Disorder	\$813,509	Yale University
National Institutes of Health	Neurobiological Signatures of Perception of Audiovisual Speech in Children with Autism Spectrum Disorders	\$394,859	Southern Connecticut State University
National Institutes of Health	Functional Genomics of Human Brain Development	\$1,297,265	Yale University
National Institutes of Health	Neurobiology of Autism with Macrocephaly	\$584,101	Yale University
National Institutes of Health	Neural Mechanisms for Social Interactions and Eye Contact in ASD	\$642,068	Yale University
National Institutes of Health	Role of Gabaergic Interneurons in Developmental Dysregulation of Cortical Function	\$418,311	Yale University
National Institutes of Health	Mapping Regulatory Networks of Autism Risk at Cellular Resolution during Neurodevelopment	\$154,085	Yale University
National Institutes of Health	Neural Mechanisms of Live Joint Attention in Autism Spectrum Disorders: An fNIRS Hyperscanning Investigation	\$29,244	Yale University
National Institutes of Health	High-Throughput Functional Analysis of Autism Risk Genes	\$418,750	Yale University

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National Institutes of Health	Social-Communicative Deficits in Autism Spectrum Disorder as Measured by mGluR5 Positron Emission Tomography	\$251,250	Yale University
National Institutes of Health	1/2 Cell Type and Region-Specific Regulatory Networks in Human Brain Development and Disorders	\$1,238,066	Yale University
National Institutes of Health	1/3 Chromatin Regulation During Brain Development and in ASD	\$550,583	Yale University
National Institutes of Health	Neonatal Connectome as a Predictor of Social and Attentional Impairment in ASD	\$366,262	Yale University
National Institutes of Health	Mechanisms and Rescue of Neural Circuit Dysfunction in Mecp2 Mutant Mice	\$249,000	George Washington University
National Institutes of Health	Role of Autism-Linked Genes in Developmental Refinement of the Corpus Callosum	\$437,500	Children's Research Institute, Children's National Medical Center
National Institutes of Health	Role of Autism-Linked Genes in Developmental Refinement of the Corpus Callosum	\$113,731	Children's Research Institute, Children's National Medical Center
National Institutes of Health	Circuit-level substrates of ASD-related cognitive and behavioral impairments	\$860,721	Scripps Florida
National Institutes of Health	Development and Afferent Regulation of Auditory Neurons	\$380,000	Florida State University
National Institutes of Health	Cognitive and Neural Flexibility in Autism	\$445,328	University of Miami Coral Gables
National Institutes of Health	Regulation of mTOR Signaling in the Developing Cerebral Cortex as a Point of Convergence for Multiple Autism Risk Factors	\$480,000	Scripps Florida
National Institutes of Health	Genetic Regulation of Variability in Brain Oxytocin Receptors	\$569,017	Emory University
National Institutes of Health	Dynamic RNA Modifications in Human Brain Development and Autism	\$953,067	Emory University
National Institutes of Health	Cycles of Social Contingency: Pivotal Transitions that Shape Brain-Behavior Development in Monkeys	\$414,080	Emory University
National Institutes of Health	Mechanistic Transitions that Shape Typical and Atypical Social Visual Engagement	\$296,345	Emory University
National Institutes of Health	Pathways of Social Contingency for Navigating Developmental Landscapes of Risk in ASD: Developmental Progressions and Pivotal Transitions in Infant-Caregiver Vocal Interaction	\$354,043	Emory University
National Institutes of Health	Pivotal Transitions in Early Infancy that Shape Network Development of the Social Brain	\$386,089	Emory University
National Institutes of Health	Epigenomic Dysregulation of Neurodevelopmental Genes Underlies Autism Spectrum Disorders	\$192,500	University of Hawaii at Manoa
National Institutes of Health	A Family-Genetic Study of Language in Autism	\$609,022	Northwestern University
National Institutes of Health	Interactions Between IgSF Proteins in Neural Circuit Formation	\$228,511	University of Chicago

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National Institutes of Health	Parent-Toddler EEG Neural Synchrony as a Window into Social Communication Deficits in Autism	\$232,646	Northwestern University
National Institutes of Health	Using Complex Video Stimuli to Elucidate Atypical Brain Functioning in ASD	\$546,067	Indiana University Bloomington
National Institutes of Health	Neural Mechanisms of Predictive Impairments in Autism	\$373,253	Purdue University
National Institutes of Health	Understanding Attentional Strengths and Weaknesses in Autism Spectrum Disorder	\$226,857	Purdue University
National Institutes of Health	Understanding the Biology of Language Impairment through Whole Genome Sequencing	\$629,574	University of Iowa
National Institutes of Health	Motor Abnormalities and Functional Brain Mechanisms in Autism Spectrum Disorder	\$470,911	University of Kansas Lawrence
National Institutes of Health	AMPA Receptor Trafficking Regulates Social Behaviors in Autism	\$408,750	Johns Hopkins University
National Institutes of Health	Characterization of a Novel Population of Parvocellular Oxytocin Neurons Controlling Social Reward Learning	\$491,250	Johns Hopkins University
National Institutes of Health	Roles of Oxytocin and Vasopressin in Brain	\$1,986,027	National Institute of Health - Intramural
National Institutes of Health	The Cognitive Neuroscience of Autism Spectrum Disorders	\$907,757	National Institute of Health - Intramural
National Institutes of Health	Regulation of Neuroligins and Effects on Synapse Number and Function	\$1,309,907	National Institute of Health - Intramural
National Institutes of Health	Neurodevelopmental and Behavioral Phenotyping	\$868,283	National Institute of Health - Intramural
National Institutes of Health	Axonal Transport Regulates Synaptic Function and Axonal Homeostasis	\$1,732,619	NIH Intramural Program
National Institutes of Health	Thalamocortical Circuit Defects in Developmental Brain Disorders	\$497,444	University of Maryland Baltimore
National Institutes of Health	Role of Somatic Mosaicism in Autism, Schizophrenia, and Bipolar Disorder Brain	\$408,398	Hugo W. Moser Research Institute at Kennedy Krieger, Inc.
National Institutes of Health	Somatosensory Inhibitory Dysfunction in Autism Spectrum Disorder	\$479,262	Johns Hopkins University
National Institutes of Health	A Multimodal Investigation of Inhibitory Dysfunction in Autism Spectrum Disorder	\$249,000	Johns Hopkins University
National Institutes of Health	Brain Network Dynamics Contributing to Atypical Social Interaction in Autism	\$531,761	Univ of Maryland, College Park
National Institutes of Health	Cellular and Molecular Analysis of the Schizophrenia and Autism Spectrum Disorder Gene Transcription Factor 4 (TCF4)	\$456,500	Lieber Institute, Inc.
National Institutes of Health	A Novel Framework for Impaired Imitation in ASD	\$529,137	Hugo W. Moser Research Institute at Kennedy Krieger, Inc.
National Institutes of Health	Language Processing and Word Learning in Preschoolers with Autism Spectrum Disorder	\$50,188	Boston University (Charles River Campus)
National Institutes of Health	The Neural Architecture of Pragmatic Processing	\$397,500	Massachusetts Institute of Technology

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National Institutes of Health	The Development of the Temporal Organization of Perception in Autism Spectrum Disorder	\$228,750	University of Massachusetts Boston
National Institutes of Health	Testing the Bottom-Up vs Top-Down Imbalance Hypothesis of ASD	\$841,853	Massachusetts General Hospital
National Institutes of Health	Quantification of Predictive Motor Impairments in Individuals with ASD	\$194,383	Northeastern University
National Institutes of Health	Simultaneous Multiplexed In Situ Fluorescence Imaging of Neuronal Proteins and Messenger RNAs	\$400,900	Massachusetts Institute of Technology
National Institutes of Health	Toward 3D Human Brain-Like Tissues for Targeting Dysregulated Synapse and Proteostasis Mechanisms in Autism Spectrum Disorder	\$63,282	Tufts University Medford
National Institutes of Health	Characterizing Neural Adaptation in Autism Spectrum Disorder	\$58,654	Massachusetts Institute of Technology
National Institutes of Health	Charting the Trajectory of Executive Control in Autism in order to Optimize Delivery of Intervention	\$572,970	Boston Children's Hospital
National Institutes of Health	Understanding Somatosensory Deficits in Autism Spectrum Disorders	\$88,884	Harvard Medical School
National Institutes of Health	Elucidating Neural Substrates that Mediate Autism-Like Behaviors	\$514,379	Massachusetts Institute of Technology
National Institutes of Health	Imaging Biomarkers of Social Cognition and Pharmacologic Target Engagement in ASD	\$188,969	Univ of Massachusetts Med Sch Worcester
National Institutes of Health	In Vivo Ultra-High Field Anatomical Evidence of Cortical Abnormalities in ASD	\$249,259	Massachusetts General Hospital
National Institutes of Health	Molecular Causes of Cognitive and Autistic Disabilities	\$468,897	Tufts University Boston
National Institutes of Health	Modeling ASD-Linked Genetic Mutations in 3D Human Brain Organoids	\$571,066	Harvard University
National Institutes of Health	Developmental Relationships Between Joint Engagement and Vocabulary in Children with Autism Spectrum Disorder	\$78,250	Boston College
National Institutes of Health	Elucidating Cutaneous Mechanosensory Circuits, from Development to Disease	\$831,501	Harvard Medical School
National Institutes of Health	Environmental Toxins and Microglia-Synapse Interactions in Autism	\$377,509	Massachusetts General Hospital
National Institutes of Health	1/2 - Somatic Mosaicism and Autism Spectrum Disorder	\$1,777,812	Boston Children's Hospital
National Institutes of Health	Dissecting Recurrent Microdeletion Syndromes Using Dual-Guide Genome Editing	\$580,798	Massachusetts General Hospital
National Institutes of Health	Project 3 Arlotta	\$490,100	Harvard University
National Institutes of Health	Neurotrophic Factor Regulation of Gene Expression	\$623,443	Harvard Medical School
National Institutes of Health	Mechanotransduction C. Elegans	\$588,908	Massachusetts General Hospital
National Institutes of Health	Neuronal Activity-Dependent Regulation of MeCP2	\$547,924	Harvard Medical School

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National Institutes of Health	Neurobehavioral Research on Infants at Risk for Language Delay and ASD	\$284,724	Boston University (Charles River Campus)
National Institutes of Health	Organization of Excitatory and Inhibitory Circuits in ASD	\$409,250	Boston University (Charles River Campus)
National Institutes of Health	Neuroimaging Genetics to Study Social Cognitive Deficits in ASD and Schizophrenia	\$249,000	Massachusetts General Hospital
National Institutes of Health	Cortical Plasticity in Autism Spectrum Disorders	\$437,682	Beth Israel Deaconess Medical Center
National Institutes of Health	Functional Analysis of Neuroligin-Neurexin Interactions in Synaptic Transmission	\$366,406	Univ of Massachusetts Med Sch Worcester
National Institutes of Health	VTA VGluT2 Sociability Circuit in Genetic Autism	\$437,500	Beth Israel Deaconess Medical Center
National Institutes of Health	Neonatal ABRs and Heritable Risk for ASD	\$193,750	Michigan State University
National Institutes of Health	The Influence of Visual Perceptual Salience on Word Processing and Word Learning in Young Children with Autism Spectrum Disorder	\$155,000	Michigan State University
National Institutes of Health	Role of Histone Ubiquitination in Neurodevelopment and Disease	\$415,708	University of Michigan at Ann Arbor
National Institutes of Health	L1CAM Adhesion and Signaling Pathways in C. Elegans	\$327,597	University of Minnesota
National Institutes of Health	Optogenetic Monitoring and Modulation of Nucleus Accumbens Microcircuitry in Cognition	\$59,038	University of Minnesota
National Institutes of Health	2/3 Chromatin Regulation During Brain Development and in ASD	\$129,927	Mayo Clinic Rochester
National Institutes of Health	Regulation of Mammalian Social Behavior by the Gtf2i Family of Proteins	\$504,828	Washington University
National Institutes of Health	Advancing Early Behavioral and Neural Phenotypes of Social Motivation in ASD	\$185,929	Washington University
National Institutes of Health	Location-Dependent Signaling of MGLU5 in Models of Synaptic Plasticity Using CRISPR-Targeted Mice	\$228,750	Washington University
National Institutes of Health	Predicting Preschool Psychopathology with Brain Connectivity in Preterm Neonates	\$182,544	Washington University
National Institutes of Health	Understanding Transcriptional Mechanisms Critical for Neural Development	\$30,442	Washington University
National Institutes of Health	A Longitudinal MRI Study Characterizing Very Early Brain Development in Infants with Down Syndrome	\$2,297,205	Washington University
National Institutes of Health	An fMRI Investigation of Propagated intrinsic Activity in Early Development and Autism	\$35,962	Washington University
National Institutes of Health	Imaging Brain Function in Children with Autism Spectrum Disorders with Diffuse Optical Tomography	\$142,015	Washington University
National Institutes of Health	Mapping Language Processing in Children with Autism Spectrum Disorder with Diffuse Optical Tomography	\$228,750	Washington University
National Institutes of Health	Maternal Immune Activation in a Genetic Mouse Model of ASD	\$375,318	University of Nebraska Medical Center

Funder	Project Title	Funding	Institution
National Institutes of Health	The Impact of PTEN Signaling on Neuronal Form and Function	\$450,559	Dartmouth College
National Institutes of Health	The Role of Kit Signaling in Cerebellar Development	\$103,005	Dartmouth College
National Institutes of Health	Imaging Adaptive Cerebellar Processing at Cellular Resolution in Awake Mice	\$428,215	Princeton University
National Institutes of Health	Cerebellar Determinants of Flexible and Social Behavior on Rapid Time Scales in Autism Model Mice	\$946,977	Princeton University
National Institutes of Health	Endoplasmic Reticulum Stress as a Novel Mechanism of Synaptic Dysfunction in Autism-Associated NLGN3 R451C Human Neurons	\$38,788	Rbhs-Robert Wood Johnson Medical School
National Institutes of Health	Identifying the Role of Emotion Processes in Core Features of Autism Spectrum Disorder	\$182,345	Rutgers, The State Univ of N.J.
National Institutes of Health	Connectivity of the Posterior Cerebellum	\$41,124	Princeton University
National Institutes of Health	Prenatal Environmental Toxicants Induce Neuroinflammation Causing Autistic Behaviors	\$556,953	Wadsworth Center
National Institutes of Health	Otoacoustic Emissions and Auditory Feedback in Minimally Verbal Children with ASD	\$192,500	University of Rochester
National Institutes of Health	Control of Neuronal Transcriptional Elongation by Brd4 and its Contribution to Autism	\$41,724	Icahn School of Medicine at Mount Sinai
National Institutes of Health	Striatal Specific Alterations in Translation, Synaptic Function, and Behavior in	\$249,000	Columbia University Health Sciences
National Institutes of Health	Dysfunction of Distinct Amygdala Circuits in a 16p11.2 Model of Autism	\$240,000	Cold Spring Harbor Laboratory
National Institutes of Health	Structure and Function of Neonatal Social Communication in Genetic Mouse Models of Autism	\$219,473	Albert Einstein College of Medicine
National Institutes of Health	Characterizing Maladaptive Homeostatic Plasticity in an Animal Model of ASD	\$44,524	New York University School of Medicine
National Institutes of Health	Sensory Consequences of Action in Children with Autism Spectrum Disorders	\$205,798	Icahn School of Medicine at Mount Sinai
National Institutes of Health	Electrophysiological Markers for Interventions in Phelan-McDermid Syndrome and Idiopathic Autism	\$648,380	Icahn School of Medicine at Mount Sinai
National Institutes of Health	Development of Corticostriatal Networks in Health and Disease	\$44,364	Icahn School of Medicine at Mount Sinai
National Institutes of Health	Cerebellum and Mental Disorders	\$326,512	Albert Einstein College of Medicine
National Institutes of Health	Neuronal Adaptation and Plasticity after Chronic Disuse	\$423,750	New York University School of Medicine
National Institutes of Health	Engrailed Genes and Cerebellum Morphology, Spatial Gene Expression and Circuitry	\$639,375	Sloan-Kettering Inst Can Research
National Institutes of Health	Adult Neurogenesis and Executive Function	\$208,772	Albert Einstein College of Medicine
National Institutes of Health	The Instruction of Sensory Inputs in Inhibitory Circuit Maturation in the Somatosensory Cortex	\$45,891	Weill Medical Coll of Cornell Univ

Funder	Project Title	Funding	Institution
National Institutes of Health	Neuronal Correlates of Autistic Traits in ADHD and Autism	\$696,598	Child Mind Institute, Inc.
National Institutes of Health	Neurodevelopmental Phenotypes in MLL Mutant Mice	\$419,004	Icahn School of Medicine at Mount Sinai
National Institutes of Health	Disrupted Auditory Cortical Plasticity and Behavior in a Model of Rett Syndrome	\$518,964	Cold Spring Harbor Laboratory
National Institutes of Health	Cdh8-Dependent Circuit Development in Autism	\$381,375	Icahn School of Medicine at Mount Sinai
National Institutes of Health	Optimizing Prediction of Social Deficits in Autism Spectrum Disorders	\$474,470	State University of New York, Stony Brook
National Institutes of Health	Functional Architecture of a Face Processing Area in the Common Marmoset	\$49,524	Weill Medical Coll of Cornell Univ
National Institutes of Health	A Novel Paradigm to Dissect the Function Connectivity in Shank3 Autism Model	\$238,500	Duke University
National Institutes of Health	Deciphering High Function Autism Using Mice with Human De Novo ANK2 Mutations	\$200,000	Duke University
National Institutes of Health	3/3 Chromatin Regulation During Brain Development and in ASD	\$355,941	Duke University
National Institutes of Health	Mechanisms of Visual Encoding and Plasticity in Anterior Cingulate Cortex	\$94,869	Univ of North Carolina Chapel Hill
National Institutes of Health	Mechanisms of Developmental Spine Pruning Regulated by IgCAMs and Semaphorins	\$388,750	Univ of North Carolina Chapel Hill
National Institutes of Health	A Conserved Transcriptional Cascade Involved in Brain Overgrowth, Social Behavior and Autism	\$733,979	Case Western Reserve University
National Institutes of Health	Mechanism-Targeted Treatment Strategy in PTEN-Associated Autism and Epilepsy	\$253,204	Cincinnati Children's Hospital Medical Center
National Institutes of Health	A Conserved Transcriptional Cascade Involved in Brain Overgrowth, Social Behavior and Autism	\$33,866	Case Western Reserve University
National Institutes of Health	Characterizing Mechanistic Heterogeneity across ADHD and Autism	\$194,969	Oregon Health & Science University
National Institutes of Health	Molecular Mechanisms of Electrical Synapse Formation In Vivo	\$249,000	University of Oregon
National Institutes of Health	Massively Parallel Functional Analyses of Human PTEN Variants	\$44,524	Oregon Health & Science University
National Institutes of Health	Functional Connectivity in Developmental Delay: Shared Etiology and Differential Outcomes	\$221,250	University of Oregon
National Institutes of Health	Characterizing Patient-specific TBR1 Mutations: Understanding a Master Regulator of Autism Risk	\$499,244	Oregon Health & Science University
National Institutes of Health	Neurophysiological and Neuroanatomical Processes Related to Autism Spectrum Disorder in Neurofibromatosis Type 1	\$215,000	Children's Hospital of Philadelphia
National Institutes of Health	MEG Studies of Auditory Processing in Minimally/Non-Verbal Children with ASD and Intellectual Disability	\$295,506	Children's Hospital of Philadelphia

Funder	Project Title	Funding	Institution
National Institutes of Health	A Longitudinal Study of Brain Development in Children with Autism	\$642,364	Children's Hospital of Philadelphia
National Institutes of Health	A Mitochondrial-Interneuronal Hypothesis of Autism	\$605,969	Children's Hospital of Philadelphia
National Institutes of Health	Role of 14-3-3Epsilon in Neurite Initiation	\$340,161	Drexel University
National Institutes of Health	Role of Attention in Balance and Mobility in Autism Spectrum Disorders	\$193,993	University of Pittsburgh at Pittsburgh
National Institutes of Health	Phase-Amplitude Coupling and Dysfunction in ASD	\$215,000	Children's Hospital of Philadelphia
National Institutes of Health	Altered Ionotropic Receptor Maturation in the Impaired Auditory Critical Periods of Fmr1 Knockout Mice	\$44,524	University of Pennsylvania
National Institutes of Health	Localizing Abnormalities in Goal-Directed Behavior to Striatal Circuits in the Neurexin1 Mouse Model	\$31,589	University of Pennsylvania
National Institutes of Health	Electrophysiological Signatures of Language Impairment in Autism Spectrum Disorder	\$326,316	Children's Hospital of Philadelphia
National Institutes of Health	Autism-Linked Endosomal Mechanisms in Neuronal Arborization and Connectivity	\$406,250	Brown University
National Institutes of Health	Mechanisms of Circuit Failure and Treatments in Patient-Derived Neurons in Autism	\$406,250	Brown University
National Institutes of Health	Mechanisms of Circuit Failure and Treatments in Patient-Derived Neurons in Autism	\$369,162	Brown University
National Institutes of Health	Transcriptional Regulation of Synapse Development in Intellectual and Developmental Disorders	\$373,750	Medical University of South Carolina
National Institutes of Health	Neural Networks for Attention to Internal and External Sensory Cues in ASD	\$394,652	Vanderbilt University Medical Center
National Institutes of Health	Endocannabinoids in Social and Repetitive Behavioral Domains	\$23,289	Vanderbilt University
National Institutes of Health	Research Project: Sensory and Multisensory Contributions to Autism	\$347,769	Vanderbilt University Medical Center
National Institutes of Health	Development of a Selective Metabotropic Glutamate Receptor 7 Allosteric Modulator Probe	\$400,356	Vanderbilt University
National Institutes of Health	Social Rhythmic Entrainment and Language Development in Autism Spectrum Disorders	\$158,000	Vanderbilt University Medical Center
National Institutes of Health	Dopamine Transporter Dysfunction in Autism Spectrum Disorder	\$29,204	Vanderbilt University
National Institutes of Health	Sensory Project in Infant/Toddler Siblings of Children with Autism (Project SPIS)	\$158,000	Vanderbilt University Medical Center
National Institutes of Health	Optical Imaging Tools for Elucidating the Roles of Anions and Anionic Modifications in Cellular Signaling	\$382,500	University of Texas Dallas
National Institutes of Health	Visuomotor Integration and Attention in Autism Spectrum Disorder	\$188,447	University of North Texas Health Science Center
National Institutes of Health	Investigating the Cerebellar Circuit Substrate for Modulating ASD Core Diagnostic Behaviors	\$38,124	Ut Southwestern Medical Center

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National Institutes of Health	Bidirectional Tyrosine Kinase Signaling	\$506,652	Ut Southwestern Medical Center
National Institutes of Health	Regulation of Experience-Dependent Cortical Circuit Development by MEF2C and Genes Linked to Neurodevelopmental Disorders	\$399,770	Ut Southwestern Medical Center
National Institutes of Health	The Role of Foxp1-Regulated Signaling Pathways in Brain Development and Behavior	\$405,000	Ut Southwestern Medical Center
National Institutes of Health	Prefrontal Corticothalamic Circuits in Autism	\$178,646	University of Texas, Austin
National Institutes of Health	Hippocampal Mechanisms in Observational Learning	\$397,754	Baylor College of Medicine
National Institutes of Health	Role of Brg1 in Activity-Induced Neuronal Gene Expression and Synaptic Plasticity	\$352,407	Ut Southwestern Medical Center
National Institutes of Health	Amino Acid Metabolism in Autism Spectrum Disorder	\$202,500	Ut Southwestern Medical Center
National Institutes of Health	Neural Function of the Human Memory-Associated Protein KIBRA: Bridging Molecular to Circuit-Level Function	\$405,000	Ut Southwestern Medical Center
National Institutes of Health	Multiscale Genetic Connectivity of Primate Social Circuits	\$636,124	University of Utah
National Institutes of Health	Beyond Diagnostic Classification of Autism: Neuroanatomical, Functional, and Behavioral Phenotypes	\$381,250	University of Utah
National Institutes of Health	Cellular and Molecular Mechanisms Disrupted in 22q13 Deletion Syndrome and Autism	\$380,626	University of Utah
National Institutes of Health	Eyeblink Conditioning in School-Aged Children with ASD	\$497,699	Seattle Children's Hospital
National Institutes of Health	Inhibitory Dysfunction in Autism	\$559,741	University of Washington
National Institutes of Health	Investigating the Synaptic Pathology of Autism	\$521,823	Seattle Children's Hospital
National Institutes of Health	Role of Autism Susceptibility Gene, TAOK2 Kinase, and its Novel Substrates in Synaptogenesis	\$249,000	University of Washington
National Institutes of Health	Synaptotagmin C2B Domain as a Ca ²⁺ Sensing Module	\$376,140	University of Wisconsin-Madison
National Institutes of Health	Characterizing Lexical Processing in Toddlers with Autism Spectrum Disorders	\$533,529	University of Wisconsin-Madison
National Institutes of Health	Brainstem Contributions to Sensorimotor and Core Symptoms in Children with Autism Spectrum Disorder	\$429,873	University of Wisconsin-Madison
National Institutes of Health	Brain Connectivity and the Role of Myelin in Autism Spectrum Disorders	\$134,757	University of Wisconsin-Madison
National Institutes of Health	The Relationship Between Language and the Brain in Neurodevelopmental Disorders	\$170,259	University of Wisconsin-Madison
National Institutes of Health	Spastic Paraplegia, Neurodegeneration and Autism: Possible Role for AT-1/SLC33A1?	\$330,978	University of Wisconsin-Madison
National Institutes of Health	Tools for Manipulating Local Protein Synthesis in the Brain	\$172,800	University of Toronto

Funder	Project Title	Funding	Institution
National Institutes of Health	Social Processes Initiative in Neurobiology of Autism-spectrum and Schizophrenia-spectrum Disorders (SPIN-ASD)	\$307,587	Centre For Addiction and Mental Health
Simons Foundation	Delineating the role of Ras/MAPK signaling in 16p11.2 phenotypes	\$125,000	University of California, San Francisco
Simons Foundation	Parameterizing Neural Habituation in ASD with Sensory Overresponsivity	\$0	University of California, Los Angeles
Simons Foundation	The neuronal reprogramming factor and autism-associated gene Myt1l	\$275,000	Stanford University
Simons Foundation	Translational dysregulation of the RhoA pathway in autism	\$125,000	University of California, San Diego
Simons Foundation	Understanding the neurobiology of attachment deficits in ASD	\$70,000	University of California, San Francisco
Simons Foundation	Neurobiology of Rai1, a critical gene for syndromic ASDs	\$87,500	Stanford University
Simons Foundation	Integrative characterization of microglial and astrocyte activation in ASD	\$82,500	The Regents of the University of California, Los Angeles
Simons Foundation	A platform to identify circuit defects in autism model mice	\$179,244	California Institute of Technology
Simons Foundation	Characterizing topographically variable dysplasias in individuals with ASDs	\$0	San Diego State University Research Foundation
Simons Foundation	Leveraging a high-throughput CRISPR screen to uncover convergent phenotypes across autism genes	\$80,000	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Intersection of Autism Genetics and Homeostatic Plasticity	\$0	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Myelin integrity and plasticity in Autism Spectrum Disorders	\$0	Stanford University
Simons Foundation	Advancing a monkey model of social impairment	\$278,400	The Board of Trustees of the Leland Stanford Junior University (Stanford)
Simons Foundation	Novel technology for behavioral phenotyping of autism mouse models	\$75,000	California Institute of Technology
Simons Foundation	Mechanisms that Connect Autism with Homeostatic Synaptic Plasticity	\$125,000	University of California, San Francisco
Simons Foundation	Do VIP interneurons drive abnormal prefrontal circuit function in autism?	\$75,000	University of California, San Francisco
Simons Foundation	Expression and characterization of the neuron-specific potassium chloride cotransporter, KCC2	\$0	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Neural correlates of sensory hypersensitivity in autism spectrum disorder	\$150,000	The Salk Institute for Biological Studies
Simons Foundation	Biochemical Analysis of ASD Mutations in SYNGAP1	\$80,000	The Regents of the University of California, San Francisco (Contracts and Grants)
Simons Foundation	Subcortical multisensory integration in autism spectrum disorder	\$82,500	The Regents of the University of California, San Francisco (Contracts & Grants)

Funder	Project Title	Funding	Institution
Simons Foundation	Investigating cell type-specific molecular pathology in autistic brain	\$150,000	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Chromatin mechanisms of gene repression in ASD and cortical development	\$275,000	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Linking circuit dynamics and behavior in a rat model of autism	\$66,025	University of California, San Francisco
Simons Foundation	BAF53b (Actl6b) in Autism and Neurodevelopmental Disorders	\$275,000	Stanford University
Simons Foundation	Cell Type Specificity of ASD Risk Factors in Developing Human Brain	\$82,500	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Decoding Affective Prosody and Communication Circuits in Autism	\$0	Stanford University
Simons Foundation	Comparison of cortical circuit dysfunction in ASD model mice	\$0	University of California, Berkeley
Simons Foundation	The influence of ASD-risk genes on synaptic function in the basal ganglia	\$275,000	The Regents of the University of California, Berkeley
Simons Foundation	Cellular and circuit effects of SCN2A haploinsufficiency	\$150,000	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Uncovering Trio's role in Autism Spectrum Disorder	\$75,000	University of Southern California
Simons Foundation	Elucidating the signaling pathways involved in autism spectrum disorder	\$150,000	The Regents of the University of California (Davis)
Simons Foundation	Exploring calcium signaling defects in a mouse model of 16p11.2 deletion	\$0	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Stability of Sensory Coding in Fragile-X Mice - Project 1	\$0	The Regents of the University of California, Los Angeles
Simons Foundation	Restoring GABA inhibition in a Rett syndrome mouse model by tuning a kinase-regulated Cl ⁻ rheostat	\$133,678	Yale University
Simons Foundation	Learning-related activity in the autistic brain	\$0	Yale University School of Medicine
Simons Foundation	Effect of Autism risk genes in neural cell identity using single cell seq	\$275,000	Yale University
Simons Foundation	Mapping ASD regulatory networks at cellular resolution in neurodevelopment	\$275,000	Yale University
Simons Foundation	Gene Regulatory Control of Prefrontal Cortex Development and Evolution	\$137,500	Yale University
Simons Foundation	Identifying convergent neural circuit impairments in autism.	\$156,644	Yale University
Simons Foundation	Disruption of Cortical Projection Neurons, Circuits, and Cognition in ASD	\$0	George Washington University
Simons Foundation	Dysregulation of mTor/Tsc in 22q11DS Autism Model	\$0	George Washington University
Simons Foundation	The role of glial CHD2 in synaptic homeostatic plasticity and autism	\$0	Georgetown University

Funder	Project Title	Funding	Institution
Simons Foundation	Impaired sensory perception and aberrant cortical circuit activity in autism model mice	\$80,000	Georgia Tech Research Corporation
Simons Foundation	Striatal circuit dysfunction in a novel autism mouse model	\$0	Northwestern University Feinberg School of Medicine
Simons Foundation	Neurodevelopmental assessment of motor behavior in a mouse model of autism	\$0	The University of Iowa
Simons Foundation	The neuroscience and genetic basis of twice exceptionality: a pilot study	\$80,000	The University of Iowa
Simons Foundation	The Jackson Laboratory	\$89,400	The Jackson Laboratory
Simons Foundation	Role of the Thalamic Reticular Nucleus in ASD	\$240,000	Massachusetts Institute of Technology
Simons Foundation	Molecular consequences of strong effect ASD mutations including 16p11.2	\$100,000	Massachusetts General Hospital
Simons Foundation	Comparison of iPSC reprogramming methods from 16p11.2 microdeletion patient derived tissue	\$0	President & Fellows of Harvard College
Simons Foundation	Molecular and functional characterization of sickness-sensitive circuits	\$162,500	President & Fellows of Harvard College
Simons Foundation	Investigating the mechanism of FMRP dysregulation with loss of TSC2	\$79,879	Children's Hospital Boston
Simons Foundation	Conserved neural mechanisms for social motivation in mice and humans	\$79,868	Massachusetts Institute of Technology
Simons Foundation	Translational biomarkers of genetically defined autism spectrum disorders - Core	\$0	Massachusetts Institute of Technology
Simons Foundation	Establishment of Parallel Cortico-Basal Ganglia Circuits by ASD-Linked Pcdh	\$81,485	Children's Hospital Boston
Simons Foundation	Characterization of predictive abilities in individuals with ASD using web-based interception games	\$0	Northeastern University
Simons Foundation	Cell-type-specific brain networks perturbed by genetics in autism	\$272,588	Broad Institute, Inc.
Simons Foundation	Associative circuitry in Bcl11a/Ctip1 ASD mice: growth cone proteomes & RNA	\$150,000	President & Fellows of Harvard College
Simons Foundation	Delineating neural circuits underlying autism-like behaviors in mice	\$150,000	Massachusetts Institute of Technology
Simons Foundation	Understanding Somatosensation Deficits in Autism Spectrum Disorder	\$352,500	Harvard Medical School
Simons Foundation	Molecular characterization of temperature sensitive circuits in the mouse	\$60,000	Harvard University
Simons Foundation	Defining the Translational Landscape in Mouse Models of Autism - Core	\$137,500	University of Massachusetts Medical School
Simons Foundation	Development of corticothalamic circuits of prefrontal cortex in mouse models of autism	\$75,000	Boston Children's Hospital
Simons Foundation	Probing perception and sensorimotor coupling in mouse models of autism	\$75,000	Harvard University

Funder	Project Title	Funding	Institution
Simons Foundation	Dissecting primary motor cortex circuit dysfunction in a mouse model of MeCP2 duplication syndrome	\$275,000	Brigham and Women's Hospital
Simons Foundation	Characterizing Sensory Hypersensitivities in Autism	\$0	Massachusetts General Hospital
Simons Foundation	Microglia in models of normal brain development, prenatal immune stress and genetic risk for autism	\$100,000	Harvard Medical School
Simons Foundation	Disrupted Homeostatic Synaptic Plasticity in Autism Spectrum Disorders.	\$125,000	Brandeis University
Simons Foundation	The role of PTCHD1 in thalamic reticular nucleus function and ASD	\$0	Massachusetts Institute of Technology
Simons Foundation	ASXL3 in Neural Fate Commitment and Autism Spectrum Disorder	\$75,000	The Regents of the University of Michigan
Simons Foundation	Mechanisms of cortical plasticity in autism spectrum disorder	\$82,500	The Regents of the University of Michigan
Simons Foundation	A novel method for revealing the shared molecular pathways of autism genes	\$0	Washington University in St. Louis
Simons Foundation	Developmental changes in a mouse model of UBE3A hyperactivation	\$150,000	Washington University in St. Louis
Simons Foundation	Exploring disruption of DNA methylation in autism spectrum disorders	\$150,000	Washington University in St. Louis
Simons Foundation	Disrupted GABAergic action in the autistic brain	\$173,900	Trustees of Dartmouth College
Simons Foundation	Vision in Genetically Characterized Autism Populations	\$73,188	Trustees of Dartmouth College
Simons Foundation	Autophagy pathway alterations in lymphocytes: Potential biomarkers for autism?	\$75,000	Columbia University
Simons Foundation	Structural Biological Studies of the Soluble and Membrane Regions of KCC2	\$126,163	New York Structural Biology Center
Simons Foundation	Biased spatiotemporal dynamics of striatal circuits impact behavior in ASD	\$275,000	Columbia University Medical Center
Simons Foundation	Regulation of striatal neuronal development by mTOR/macroeatophagy	\$149,307	Columbia University Medical Center
Simons Foundation	Oxytocin receptor signaling	\$70,000	New York University School of Medicine
Simons Foundation	Synaptic refinement and glial phagocytosis in a mammalian model of Fragile X Syndrome	\$80,000	The Trustees of Columbia University in the City of New York
Simons Foundation	Top-down dynamics in autism	\$0	Rockefeller University
Simons Foundation	Defective lineage-dependent precise neocortical circuit assembly in ASD	\$82,500	Joan & Sanford I. Weill Medical College of Cornell University
Simons Foundation	Role of a novel PRC1 complex in neurodevelopment and ASD neurobiology	\$112,500	New York University School of Medicine
Simons Foundation	Visualizing neural circuits of social sensory processing	\$0	Univ of North Carolina, Chapel Hill
Simons Foundation	Identification of shared transcriptional profiles with three high-confidence autism mouse models	\$110,000	Univ of North Carolina, Chapel Hill

Funder	Project Title	Funding	Institution
Simons Foundation	Does Astrocyte Dysfunction Contribute to Synaptic Pathologies in Autism?	\$75,000	Duke University Medical Center
Simons Foundation	Spatiotemporal dissection of UBE3A with engineered human cerebral organoids	\$0	North Carolina State University
Simons Foundation	Pilot study to evaluate molecular changes in the brain of Chd8 mutant mice as a function of age	\$200,000	The University of North Carolina at Chapel Hill
Simons Foundation	The role of silent synapses in the etiology of autism	\$70,000	University of Pittsburgh
Simons Foundation	Epitranscriptomic regulation of ASD risk genes	\$162,500	The Trustees of the University of Pennsylvania
Simons Foundation	Assessing thalamocortical circuit function in TSC1 and NHE6 mouse models	\$75,000	Brown University
Simons Foundation	Analysis of UBE3A- and NHE6-mutant cells to determine social communication gene networks	\$80,000	Brown University
Simons Foundation	Insula-Central Amygdala Circuits in Social and Sensory Function	\$80,000	Vanderbilt University Medical Center (VUMC)
Simons Foundation	Cerebello-Cortical circuits in Autism-related behavior	\$150,000	University of Texas Southwestern Medical Center
Simons Foundation	Foxp1-regulated cell-type specific contributions to striatal development	\$161,276	UT Southwestern Medical Center
Simons Foundation	Elucidation of the Bidirectional Role of Microglia in Fragile X Syndrome	\$0	Univ of Texas Health Science Center at San Antonio
Simons Foundation	Defining the Translational Landscape in Mouse Models of Autism - Project 1	\$137,500	University of Texas Southwestern Medical Center
Simons Foundation	Canonical Computations in Autism	\$137,070	Baylor College of Medicine
Simons Foundation	Foxp1 orchestration of neuronal function in the striatum	\$74,425	University of Texas Southwestern Medical Center
Simons Foundation	Activity-regulated transcription and ASD genes in synapse pruning	\$82,500	UT Southwestern Medical Center
Simons Foundation	Cell type molecular neuropathology of the cerebellum in autism	\$0	Seattle Children's Hospital
Simons Foundation	Glial control of neuron shape and function	\$82,500	Fred Hutchinson Cancer Research Center
Simons Foundation	Pathogenic Gating Pore Current in Autism	\$0	University of Washington
Simons Foundation	Functional and behavioral analysis of zebrafish ASD models	\$74,982	University of Queensland
Simons Foundation	USP9X: A master gene for neural development and autism	\$0	University of Queensland
Simons Foundation	Neural circuit development in the Fragile X zebrafish	\$82,248	The University of Queensland
Simons Foundation	Probing the development and reversibility of autism-related phenotypes in SETD5 conditional knockout mice	\$99,789	Institute of Science and Technology Austria
Simons Foundation	Brain imaging of treatment response	\$0	The Hospital for Sick Children
Simons Foundation	Multi-model platform for functionalizing ASD variants and drug testing	\$162,500	University of British Columbia

Funder	Project Title	Funding	Institution
Simons Foundation	Network activity and translational regulation in SHANK2 ASD neurons	\$273,710	The Hospital for Sick Children
Simons Foundation	The role of the PTCHD1-antisense long noncoding RNA in Autism.	\$196,088	The Hospital for Sick Children
Simons Foundation	Sensory processing in ASD - a multi-level approach	\$79,600	The University of Western Ontario
Simons Foundation	Mechanistic studies of the interaction between Shank3 and CaMKIIa	\$240,000	The Hong Kong University of Science and Technology
Simons Foundation	Generating a new Del(Sult1a1-Spn) 16p11.2 deletion model in Long-Evans Rat	\$0	Institut de Genetique et de Biologie Moleculaire et Cellulaire (CERBM)
Simons Foundation	Exploring RAT model for 16p11.2 syndrome	\$91,553	Institut de Genetique et de Biologie Moleculaire et Cellulaire (CERBM)
Simons Foundation	Minimally-Verbal ASD cognition studied via involuntary eye movements	\$0	Bar-Ilan University
Simons Foundation	Neurobiological basis of connectivity deficits in autism	\$65,568	Fondazione Istituto Italiano di Tecnologia (Italian Institute of Technology)
Simons Foundation	New mathematical approaches to dissect neuronal circuits dynamics from EEG in ASD	\$0	Fondazione Istituto Italiano di Tecnologia (Italian Institute of Technology)
Simons Foundation	Tracing abnormal developmental trajectories in cortical neurons	\$114,525	University of Geneva
Simons Foundation	Identifying autism-associated signaling pathways regulated by CHD8 in vivo	\$0	King's College London
Simons Foundation	Stability of sensory coding in Fragile-X mice - Core	\$86,419	University of Bristol
Simons Foundation	A major programme of fundamental and clinical autism research	\$5,319,931	University of Edinburgh
National Science Foundation	CRCNS Research Proposal: Collaborative Research: Discovering Network Structure in the Space of Group-Level Functional Differences	\$776,050	Johns Hopkins University
National Science Foundation	Collaborative Research: Revealing the Invisible: Data-Intensive Research Using Cognitive, Psychological, and Physiological Measures to Optimize STEM Learning	\$0	Massachusetts Institute of Technology
National Science Foundation	Collaborative Research: Revealing the Invisible: Data-Intensive Research Using Cognitive, Psychological, and Physiological Measures to Optimize STEM Learning	\$0	TERC Inc
National Science Foundation	Collaborative Research: Revealing the Invisible: Data-Intensive Research Using Cognitive, Psychological, and Physiological Measures to Optimize STEM Learning	\$0	Landmark College
National Science Foundation	Network Optimization of Functional Connectivity in Neuroimaging for Differential Diagnosis of Brain Diseases	\$0	University of Washington
Tuberous Sclerosis Alliance (TSA)	Neural Circuits Underlying Autism-Related Behaviors in Tuberous Sclerosis	\$18,750	UT Southwestern
Tuberous Sclerosis Alliance (TSA)	Impact of Cerebellar – Medial Prefrontal Cortical Circuits	\$56,250	UT Southwestern

Funder	Project Title	Funding	Institution
The NJ Governor's Council for Medical Research and Treatment of Autism (NJMRTA)	Immune Regulation of Subventricular Zone Neural Stem	\$0	Rutgers University, Biomedical and Health Sciences (RBHS)
The NJ Governor's Council for Medical Research and Treatment of Autism (NJMRTA)	Developmental Dysregulation of Inhibitory Neuron Migration as an Experimental Model to Analyze Mechanisms of Pediatric Autism-Epilepsy Syndromes	\$0	Rutgers, The State University
Geisinger Autism & Developmental Medicine Institute (GADMI)	Multisensory Integration (MSI) in Klinefelter and Turner Syndromes	\$0	Geisinger-Bucknell Research Initiative
Geisinger Autism & Developmental Medicine Institute (GADMI)	Visual Signals Using Webcam	\$0	Geisinger-Bucknell Research Initiative
FRAXA Research Foundation (FRAXA)	Auditory Dysfunction in Fragile X Syndrome, Role for the Sound Localization Pathway	\$0	University of Colorado at Denver
FRAXA Research Foundation (FRAXA)	Quantitative Assessment of the Serotonin System in a Mouse Model of Fragile X Syndrome	\$0	Mercer University
FRAXA Research Foundation (FRAXA)	MicroRNA Mediated Astroglial GLT1 Dysregulation in Fragile X	\$0	Tufts University
FRAXA Research Foundation (FRAXA)	Correcting Fragile X Syndrome Deficits by Targeting Neonatal PKCepsilon Signaling in the Brain	\$0	College of Staten Island
FRAXA Research Foundation (FRAXA)	Autophagy is a Novel Therapeutic Target of Impaired Cognition in Fragile X Syndrome	\$0	Albert Einstein College of Medicine
FRAXA Research Foundation (FRAXA)	Metformin and Aberrant Insulin Signaling in a Fragile X Mouse Model	\$0	McGill University
FRAXA Research Foundation (FRAXA)	Research Points to Drugs which Inhibit PDE to Treat Fragile X	\$0	INSERM

